

REMARKS

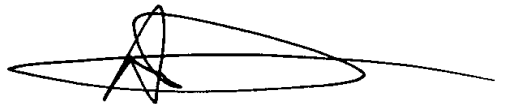
The amendments are being made to eliminate improper multiple dependency and to place the claims in better condition for examination.

Favorable consideration and allowance are respectfully requested.

Respectfully submitted,

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

Please replace claims 6, 7, 9, 10, 12, and 25 with new amended claims 6, 7, 9, 10, 12, and 25 as follows below. A marked up version of the amended claims to show the changes made is attached hereto.

6. Process according to ~~any of claims 1 to 5~~ claim 1, wherein the process is performed on mammal spermatozoa, ~~in particular on human spermatozoa.~~

7. Process according to ~~any of claims 1 to 6~~ claim 1, wherein the PI3K inhibitor is selected from the group consisting of 2-(4-morpholinyl)-8-phenyl-4H-1-benzopyran-4-one (LY294002), wortmannin, quercetin, and derivatives and analogues thereof.

9. Process according to ~~any of claims 1 to 8~~ claim 1, wherein spermatozoa are treated with an amount of PI3K inhibitor in the range of about 0.01 to 1000  $\mu\text{M}$ , about 5 to 500  $\mu\text{M}$ , or about 10 to 100  $\mu\text{M}$ .

10. Process according to ~~any of claims 1 to 9~~ claim 1, wherein treating the spermatozoa with the PI3K inhibitor comprises incubating the spermatozoa for a period of time in the range of about 30 minutes to 10 hours or about 1 to 8 hours or about 2 to 6 hours at a temperature of around 37°C.

12. Spermatozoa obtainable by the process according to ~~any of claims 1 to 10~~ claim 1.

25. Medium according to ~~any of claims 21 to 24~~ claim 21, comprising an amount of PI3K inhibitor in the range of about 0.01 to 1000  $\mu\text{M}$ , about 5 to 500  $\mu\text{M}$ , or about 10 to 100  $\mu\text{M}$ .

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